

Academy of Sciences (Cont.)

SOV/6100

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Card 3/3

БЕЛОКРИНИТСКАЯ, YE. YE.
Category: USSR/Analytical Chemistry - General Questions.

G-1

Abs Jour: Referat Zhur-Khimiya, No 9, 1957, 30945

Author : Ginzburg V. L., Alekseyenko Ye. F., Belokriniteskaya Ye. Ye.,
Vitushkina I. N., Ineshina F. M.

Inst : not given

Title : Accuracy of Photographic Methods of Spectral Analysis

Orig Pub: Zavod. laboratoriya, 1956, 22, No 11, 1331-1333

Abstract: A comparison was made of the accuracy of analyses of fused nickel, copper regulus, fused cobalt and cathodic nickel, according to calibration graphs in Δ S, lg C coordinates, and in accordance with the solid graph method. Determinations were made of Cu, Fe, Au, Pt, Pd, Ni, Si, Mn, Pb, Sb, Bi, Sn, Co, at concentrations from several thousandth to decimal fractions of one percent, with spectrum excitation in arc discharge of direct and alternating current, and photographic recording on plates of type I, II and III. In most instances no substantial differences were found in the magnitude of errors with different calibration graphs.

Card : 1/1

-18-

NOV 1967

Внесены в рецензируемый журнал "Спектроскопия" и опубликованы в журнале "Известия Академии наук СССР, 1977".

Abstracts... (papers read at the Second All-Union Conference of Analytical Spectroscopists in Moscow (Minsk)) Moscow, Nauka-izd. 1977. 128 p. 1,600 copies printed.

1. What is the purpose of the study?

Mitochondrial RNase: M.E. Britton, A.E. Brunkova, E.I. Matveyev, V.V. Polyakova, L.N. Filimonov. Dokl. Akad. Nauk, 1979.

REMARKS: This book is intended for analytical chemists in the field of nonferrous metallurgy.

APPENDIX: This is a collection of papers dealing with the use of the gravimetric method as practiced in the USSR for the quantitative determination of chemical elements in the field of surface metallurgy. Experiences gained at several scientific and industrial plants is described. In addition to practical applications of the method, problems are discussed with reference to the production of standard samples. For a brief description of the work done in 1955 in this field in the USSR, see Table of Contents, first volume of the *Annals of the International Association of Analytical Chemists*. There are a few scattered references, both Soviet and non-Soviet.

12. Grombatskaya, T.V. [Vsesoyuznyy aluminivyye-magnitnyy institut-Aluminum Alloys and Magnesium Institute, Leningrad]. Preparation of Standard Samples for the Spectroscopic Analysis of Light Metals

U. S. Speckley, A.B., A.V. Engstrom, and R.A. Fonda (Dartmouth twenty-two years ago) I believe found similar particles for Kaurer's metals and Gold (in Metals, News). An investigation of Methods of Casting Branded Metals for the Spectroscopic Analysis of Residue

1A. Washburn, H.L. [Radially mixed variable-length two-way metal-
lized secondary nanoferrite metal plate]. From the Work Practice of the
Metallic Secondary Nanoferrite Metal Plate.
[Unpublished] [Submitted at the National Conference on Metals Plate]
90

135. Serebina, V. I. [Diatomovikiy snov vserichnykh zavozhnykh novalov-diatomovoye isledovanie metalov Plav]. In: *Trudy Gosnaukizdatov, T. 12*, Moscow, Gosnaukizdat, 1957, 128 pp., 12 illustrations, 1 table, 100 rubles.

1.6. *Impatiens*, A. 26. [Bar's low Secondary NonCorrosive Metals Plant]. Work done at the Plant Spectrographic Laboratory

17. Berlin, S.I. [Insolubly bronze-lamney mixed-Moscow Bronze and Brass]. Application of Spectroscopic Methods of Analysis at the Moscow University and Moscow Plant.

10. A. Burghman, M.S. [Luminescently polynuclearbenzyl luminant-Luminescent Polynuclearbenzyl]. From the Work Practices of the Spectroscopic Laboratory of the Institute of Chemistry of the USSR Academy of Sciences, Moscow, U.S.S.R.

19. Rytova, L.P. [Investigations of the effect of the application of insecticides on the development of the larvae of the European spruce sawfly]. *Izv. Vsesoyuzn. nauch. issled. inst. lesn. khoz. i sel'sk. khoz. mach.* 1964, 10: 105.

40. Shigeharu, S.M. [Pedal'ibly elevatsionno-Pedal'ak Tia Plant]. Work
in connection of the Laboratory of the Pedal'ak Tia Plant

[illegible]

22. *Myrica*, s. s. [*Myrica pyramidalis* Plant]. Quantitative Determination by Surface Method.

THE UNIVERSITY OF CHICAGO

DECEMBER 1991

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

[illegible]

1990

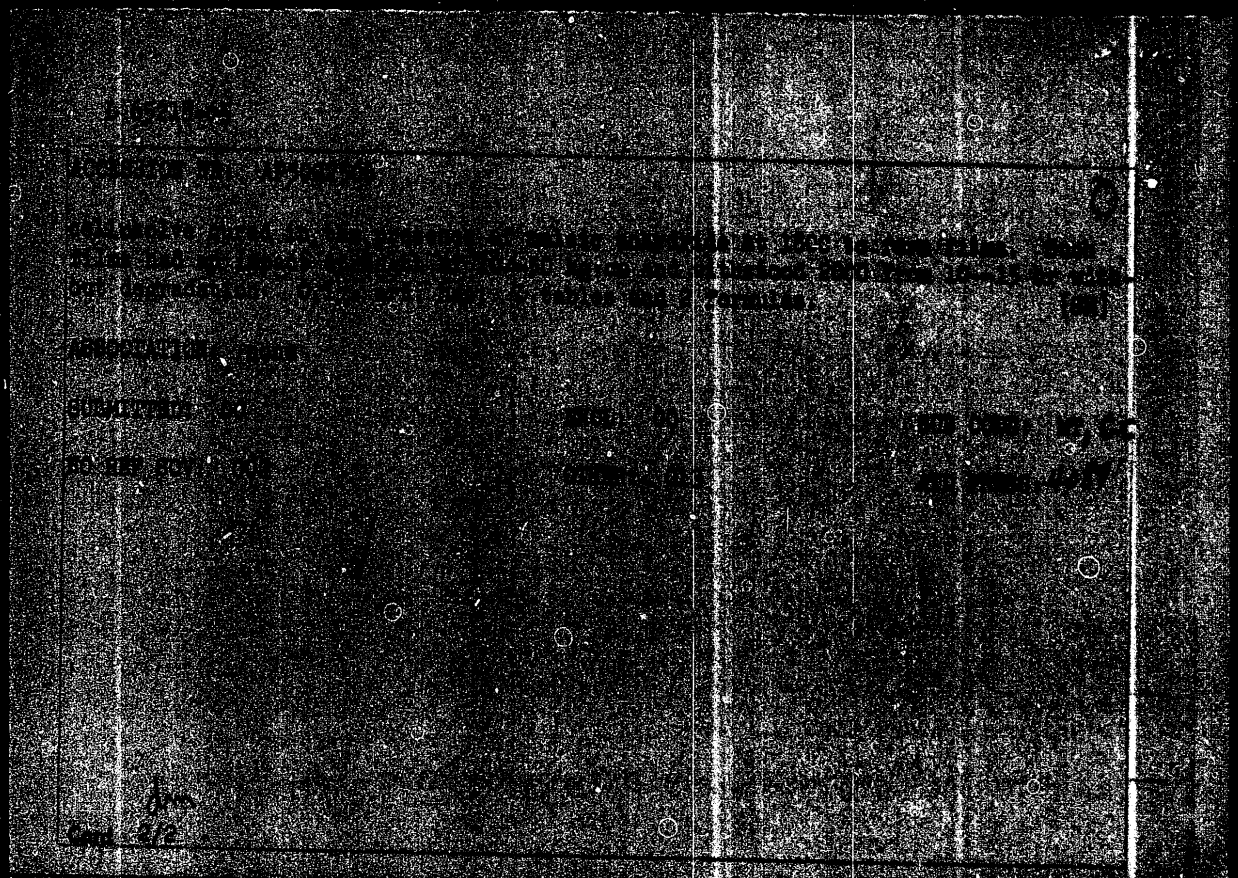
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KEY WORDS: poly(2-vinylpyridine); grafting; copolymerization

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SOV/61-59-16-56920

Translation from: Referativnyy zhurnal. Khimiya, 1959, Nr 16, p 136 (USSR)

AUTHORS: Belokrinskaya, Ye.Ye., Bondarenko, V.V., Vitushkina, I.N., Gerasimova, M.S., Ginzburg, V.L., Gramenitskiy, I.N., Livshits, D.M., Kryzhanaya, V.F.

TITLE: The Spectral Analysis of Cobalt for Metallic Impurities With the Use of Cast Electrodes

PERIODICAL: V sb.: Materialy 1-go Ural'skogo soveshchaniya po spkroskopii, 1956. Sverdlovsk, Metallurgizdat, 1958, pp 59-61

ABSTRACT: The samples are cast into chill molds in the forms of rods of 7 mm in diameter and 40 mm long. The butts of the rods are filed to a plane and treated by a HCl solution (1 : 1) for cleaning from Fe. The spectra are excited in an a-c arc with an upper carbon electrode and photographed with an average quartz spectrograph. The standards are prepared on the basis of pure cobalt, in which the concentration of admixtures is determined chemically. Ni, Fe, Si, Mn, Al, Cu, As and Sb can be determined with a mean error of 5 - 15%.

G. Kibisov.

Card 1/1

BELOKRINI TÖKÖV, V.S. 1961. *Trudy Vsesoyuznogo Nauchnogo Tsentra Akvatsimologii, M.S.S.*

Changes in the plasma concentration of iron in the experimental nemolytic anemia. *Exp. Hematol.* 1965; 3: 34-37.

1. laboratoriya qavatida qurilgan bo'lgan bo'lib, laboratoriya qavatidan
krovi i neetichzhnoy kh ruzhki i laboratoriya qavatidan laboratoriya qavatiga
log'it im. Bog'val'itau sh'k'at'it.

AUTHOR: Belokrinitskiy, V. V. (1977-01-01)

TITLE: Trench-Type Foundations in the Press Shop (Trench-type foundations v pressovom tsokhe)

PERIODICAL: Avtomobil'naya promyshlennost', 1977, No. 1, p. 10-11, 11 figs.

ABSTRACT: The author reviews trench-type foundations as used in press shops in foreign countries and describes those in the press shops at Gorkiy and Ulyanovsk Automobile plants. These foundations contain channels through which conveyor belts transport raw materials, products, and scrap. D.G. Ginzburg states in his work (ref 1) that the only possible method for transporting pressings from the shops to the intermediate storage in large-scale production is by the use of aerial and push-type conveyors. The author fully agrees with this statement and concludes that the most efficient conveying system can be built by using a number of transporting devices: lift trucks, conveyors, roller tables, etc. There are 3 photographs, 2 diagrams, and 1 Soviet reference.

ASSOCIATION: Ulyanovskiy avtomobil'nyy (Ulyanovsk Automobile Plant)

Card 1/1

BELOKHINITSKIY, Vasily Viktorovich; BAPTISH, N. I., ed.

[Technology of base for the organization and realization
of conveying, loading, unloading and unloading work]
Tekhnologicheskie osnovy nakladiatell'nykh i razgruznykh
transportnykh, i organizatsionnykh i metodicheskikh
rab. Leningrad, 1964. 30 p.

BELOKRINITSKIY, V., inzh. (g.Ul'yanovsk)

Self-loading motortruck. Izobr. i rats. no.11:18 N '60.
(MIRA 13:10)

(Motortrucks)

BELOKRINITSKIY, V.

Current problems in the organization of transportation work in industry.
Sots.trud 8 no.3:44-51 Mr '63. (MIRA 16:3)

1. Glavnyy konstruktor Ul'yanovskogo nauchno-issledovatel'skogo i
proyektno-tekhnologicheskogo instituta mashinostroyeniya.
(Machinery industry--Technological innovations) (Material handling)

BELOKRINIŦSKIY, V.V.

Use of pusher conveyers. Avt. prom. no.5:37-41 My '61. (MIRA 14:3)

1. Ul'yanovskiy avtozavod.
(Assembly-line methods)
(Conveying machinery)

YASHIN, Yu.: BELOKRINITSKIY, Ye.

Standardization of the fuel tanks of the UZ7 motortrucks. Avt.
transp. 43 no.1:39 Ja '65. (MIRA 18:3)

CA BELONRINTS 14, 16 R

Preparation of thiodiphenylamine. R. P. Belokrinitiskii, *J. Applied Chem. (U. S. S. R.)* 14, 187-91 (1941).—An extensive study of the best prepn. method for thiodiphenylamine (phenothiazine) (I) was undertaken by B. because of the great success of this insecticide in the United States. Although the field work is not complete, B. reports that I is an effective agent against the malaria mosquito, being equal to Paris green and lacking the toxicity of the latter to mammals. The only known effective prepn. method for I is fusion of NHPb (II) with S; its variations were studied with the view of possible large-scale production. The exptl. procedure was as follows: powd. II and S were mixed with I, charged into a flask fitted with an air condenser and immersed in an oil bath preheated to the desired temp.; initiation of the reaction was judged by the appearance of H₂S bubbles and their disappearance marked the end of the reaction; the gases were collected and the amount of evolved H₂S was detd.; the yield of the crude I was detd. by weighing the flask, after blowing off occluded H₂S. The 1st series of expts. was the study of the effect of temp. on the reaction, each expt. being run with 40 g. II, 10 g. S and 0.4 g. I (1% I by wt. of II); the crude I in all cases m. 171-3° and was obtained in essentially quant. yield (101.3-155%) at the 4 temps. tried: 170-80°, 180-90°, 190-200°, 200-210°; the lowest temp. required 23 min. for completion, and the 100-200° range, requiring only 11 min., was judged to be optimum; the yield was calcd. on II and ex-

ceeded 100% on crude I because of inclusion of free S (which was used in slight excess). A 2nd series of expts. studied the variation of catalyst (iodine) concn., by using the same charge as series 1 run at 190-200°, with the following results: 0.5% I yielded 47.8 g. crude I, m. 172-4°, in 29 min.; 0.25% I yielded 47.9 g., m. 172-4°, in 33 min.; 0.1% I yielded 47.7 g., m. 167-9°, in 57 min. Omission of I required 160 min. heating to 240-80° to yield 47.5 g. crude I, m. 152-42°, from which barely a 50% yield of I, m. 170-1°, was obtained by recrystn. from EtOH. A 3rd series of expts. was run in order to study the necessity for the use of an excess of S customarily used, the following results were obtained with a 40-g. charge of II and 1% I at 190-200°: the use of 16 g. S (6% excess) gave 47.8 g. crude I, m. 171-3°, in 13 min.; 15.2 g. S (no excess) gave 47.4-7.5 g. crude I, m. 171-3°, in 16-18 min., showing that although the speed of the reaction is decreased by a smaller amt. of S, the purity of the crude I is improved; further, with excess S, up to 1.5% of crude I was insol. in EtOH, while the use of the theoretical amt. of S yielded almost quantitatively sol. crude I, which on 1 crystn. gave pure I, m. 178-9° (completely pure I, m. 180-1°). A series of larger expts. was run at 190-200°, in which 20-500 g. batches of II were run under optimum conditions detd. above, with 0.1-0.25% I, yielding an average of 99.3% crude I, m. 173-7°, in 40-60 min. depending on the amts. of II used. The use of tech. II and S was shown to be entirely satisfactory. In view of the comparative scarcity of I in U. S. S. R., other catalysts were tried, with the finding that anhyd. AlCl₃ gave results entirely comparable to those obtained with I.

G. M. Kosolapoff

ASA 3.3.4 METALLURGICAL LITERATURE CLASSIFICATION

13

Derivatives of diphenylamine as insecticides. V. A. Zaslavskiy and B. P. Gerasimovskiy. *Z. Mikrobiol., Epidemiol., Immunobiol.* (U.S.S.R.) 1944, No. 3, 66-70.

The following compds. were prepd. and studied as insecticides: diphenylamine m. 64° b.p. 302°, *N*-phenyl-*o*-toluidine m. 41° b.p. 306°, *N*-phenyl-*m*-toluidine m. 20-30° b.p. 315°, *N*-phenyl-*p*-toluidine m. 80° b.p. 318°, *N*-phenylbenzylamine m. 34.6° b.p. 381°, *p*-methyl-*N*-phenylbenzylamine b. 148°, *N*-methyldiphenylamine b. 200°, *N*-ethyl-*N*-phenylbenzylamine b. 286°, *N*-ethyl-*p*-methyl-*N*-phenylbenzylamine b. 148°, *N*-ethyldiphenylamine b. 207°, *N*-butyldiphenylamine b. 182°.

The following chemo-pharmacodynamic relationships were observed: Introduction of a CH₃ grouping into the phenyl nucleus of diphenylamine lowers the toxicity of the compds. for body lice, and especially for fleas. The comparative toxicities of phenyltoluidines is in this decreasing order: ortho, meta, para. *N*-Phenylbenzylamine is less toxic than diphenylamine for body lice, but is more toxic for fleas. *p*-Methyl-*N*-phenylbenzylamine is just as effective as diphenylamine itself for fleas. Introduction of methyl, ethyl, or butyl groups into the amino group increases the toxicity of the compds. for body lice, but lowers the toxicity for fleas. (D. I. Moshch)

ASB-514 METALLURGICAL LITERATURE CLASSIFICATION

62-1111 OF 004 151

BELOKRYLIN, Yu.F., inzh.; DAVYDOV, Ye.N., inzh.

Operation of the IVU 100/15x6 rectifier. Elek. 1 tepl. tiaga
2 no.9:18-19 S '58. (MIRA 11:10)
(Mercury-arc rectifier)

PROKHOROV, Fedor Nikitovich; BELOKRYLIN, Yu.F., inzh., retsenzent
LEVIN, B.M., inzh., retsenzent; RYAZANTSEVA, Yu.A.,
retsenzent; KALININ, V.K., inzh., red.; BOBROVA, Ye.N.,
tekhn. red.

[Electric traction departments and electric power supply of
electric railroads] Elektrotiagovoe khoziaistvo i energo-
snabzhenie elektricheskikh zheleznykh dorog. 2., perer. i
dop. izd. Moskva, Transzheldorizdat, 1962. 134 p.

(MIRA 16:1)

(Electric railroads--Current supply)
(Electric locomotives)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400006-6

AVATKOV, A.S., inzh.; BELOKRYLIN, Yu.F., inzh.

Use of semiconductor rectifiers in traction substations. Zhel.
dor.transp. 41 no.8:31-33 Ag '59. (MIRA 12:12)
(Electric railroads--Substations)
(Electric current rectifiers)

BECHERYLOV, G.A.

Characteristics of the microorganisms of the genus *Escherichia* in Chita which are used in the production of the antibiotic *Escherichia coli*. *Escherichia coli* is a Gram-negative, rod-shaped bacterium. It is a facultative anaerobe and is capable of fermenting glucose and other carbohydrates. It is a common inhabitant of the intestinal tract of humans and animals.

1. *Escherichia coli* is a Gram-negative, rod-shaped bacterium.

BELOKRYLOV, G.A.; MARKOVA, I.V.; OSTROVSKIY, A.D.

Effect of adrenal hormones on the resistance of the organism
to the staphylococcal exotoxin and the endotoxin of
Escherichia coli. Farm. i toks. 28 no.5:571-574 S-0 '65.

(MIRA 18:18)

1. Kafedra farmakologii (zav. - deystvitel'nyy chlen AMN SSSR
prof. V.M.Karasin [deceased]) i kafedra mikrobiologii (zav.
prof. V.M.Berman) Leningradskogo pediatricheskogo meditsinskogo
instituta. Submitted July 7, 1964.

L 3712-66 EWT(1)/T JK

ACC NR: AP6004971

(N)

SOURCE CODE: 00/03/07/05/07/05/0571/0571

AUTHORS: Bolokrylov, G. A. (Member of pharmacology dept, member of pharmacology dept); Markova, I. V. (Member of pharmacology dept, member of microbiology dept); Ostrovskiy, A. D. (Member of pharmacology dept, member of microbiology dept)

ORG: Department of Pharmacology /headed by doctor A. A. Karasik, Professor V. A. Karasik (deceased)/ and Department of Microbiology /headed by Professor I. B. Bares/, Leningrad Institute of Pediatric Medicine (Kafedra farmakologii i kafedra mikrobiologii Leningradskogo pediatricheskogo meditsinskogo instituta)

TITLE: Effect of adrenal hormones on organism resistance to staphylococcus aureus and colibacillus endotoxin(v)

SOURCE: Farmakologiya i toksikologiya, v. 26, no. 3, 1983, 311-314

TOPIC TAGS: medical research, adrenal gland, hormones, Adren

ABSTRACT: Tests were performed to study the effect of adrenal hormones on organism resistance to staphylococcus aureus and colibacillus endotoxins. Adrenalectomies were performed on 60 mice, which were then divided into 6 groups, each receiving a daily injection of one of the hormones cortisone or hydrocortisone, DOCA, or adrenalin. Sham operations were performed on 10 mice.

Card 1/2

UDC: 616.961.25:616.261.47-07.4:612.42.41

L 37142-66

ACC NR: AP6004971

trauma on resistance, and 30 medullectomies were performed. Twenty intact animals were injected with 10 mg/kg hydrocortisone and 40 with 50 units per kg of ACTH. The staphylococcal exotoxin used was prepared from a strain of *S. aureus* 8090 and the colibacillus endotoxin was obtained according to the method of Messrobianu from the strain 011B₁H₂. Tabulated results show that the LD_{50} of intact animals from colibacillus endotoxin is 500 which is lower than that of intact animals. Injection of adrenal hormones does not change the low resistance to endotoxin, and only combined injection of cortisone and adrenalin restores resistance to its control level. Tabulated results of tests with exotoxin show adrenalectomy does not affect resistance to exotoxin, and cortisone or DOCA increases resistance above the level of control animals. Medullectomy reduces resistance to endotoxin by 10 times. Injection of ACTH or hydrocortisone into intact animals does not influence their resistance to exotoxin, but markedly increases resistance to colibacillus endotoxin. Orig. art. has: 2 tables.

SUB CODE: 06/

SUBM DATE: 07Jul64/

ORIG REF: 001/

OTH REF: 001

Card 2/2 of

BELOKRYLOV, Ivan Dmitriyevich; YEFIMOV, Andrian Ivanovich; GRAVE, M.A.,
otv.red.; GOLIEVA, Ye.M., red.izd-va; NIKOLAYEVA, I.M., red.
izd-va; LEHEDEVA, L.A., tekhn.red.

[Permafrost in iron and coal deposits of southern Yakutia]
Mnogoletnemerslye porody zony zhelezorudnykh i ugol'nykh mesto-
roshdenii Iuzhnoi Yakutii. Moskva, Izd-vo Akad.nauk SSSR,
1960. 73 p. (MIRA 14:2)
(Yakutia--Ore deposits) (Yakutia--Frozen ground)

MOJDAVSKIY, M.I.; TIMOFEEV, Ya.L.; BELOKRYICOV, K.I.

Semiautomatic machine for applying glue and abrasive grains
to polishing wheels. Stan. i instr. 36 no.6-28-70 Je '65.
(MIRA 1848)

KOZLOVSKIY, P.R., inzh.; BOGDANOV, Yu.V., inzh.; BELOKRYLOV, V.V., inzh.

Automatic control of conveyors preventing the breakdown
of their operating members. Sbor. KuzNTUI no.10:292-300
'64. (MIRA 18:9)

BELOKRYLOVA, A.V.

Achievements of Vargashi trackworkers. Put' i put. khoz. no.6:12-13
Je '59. (MIRA 12:10)

1.Inzhener distantsii, stantsiya Vargashi, Yuzhno-Ural'skaya doroga.
(Vargashi--Railroads--Track)

AMSTISLAVSKAYA, S.M.; BLOKRYLOVA, A.V. (Sverdlovsk)

When dusk descends on the city. Zdorov'e 6 no.3:11 Mr '60.

(SVERDLOVSK--HEALTH EDUCATION)

(MIRA 13:5)

BELOKRYLOVA, T.G.; KUZNETSOV, V.G.; MOZHAYEV, N.S.

Oil potential of the Lower Carboniferous of western Orenburg Province. Geol. nefiti i gaza 6 no.12:41-44 D '62. (MIRA 15:12)

1. Tsentral'naya nauchno-issledovatel'skaya laboratoriya
tresta Orenburgneftegazrazvedka.
(Orenburg Province--Petroleum geology)

BELOKRYTS, A.P., inzhener.

 The theory of adjoining areas in the location of mines. Trudy VNIMI
no.25:91-104 '52. (MLRA 8:3)
(Mine surveying) (Triangulation)

BELOKRYIS, A.P., inzhener.

Propositions on improving observation procedures in orienting
mines according to the symmetrical method. Trudy VNIMI no.26:
33-38 '52. (MIRA 8:3)
(Mine surveying)

BELOKRYIS, A.P., inzhener.

Reply to Professor D.M.Ogloblin's review of the article "Mine
orientation problems," published in "Ugol'," no.12, 1950.
Trudy VNIMI no.29:207-226 '54. (MLRA 8:3)
(Mine surveying)

BELOKRYIS, B.P., inzh.; KAMINSKIY, S.B., inzh. (g.Bugul'ma)

Digging the foundation pit for a tank in frozen ground. Stroi.
truboprov. 6 no. 2:15-16 F '61. (MIRA 14:5)
(Frozen ground) (Excavation--Cold weather conditions)

[illegible]

BELOKRYS, L.S.; VOYTEKOVICH, G.V.; CHERNOVSKIY, M.I.

Scientific and technical conference at the Krivoy Rog Mining
Institute. Nauch.dokl.vys.shkoly; geol.-geog.nauki no.1:263-265
'58. (MIRA 12:2)

1. Krivorozhskiy gornorudnyy institut, kafedra obshchey geologii.
(Geology)

BELOKRYIS, L.S.; RIZDVIANSKIY, K.F.

Age of the clay formation overlying ores in the Nikopol manganese deposit. Izv. vys. ucheb. zav.; geol. i razv. i no.8:49-51 Ag '58.
(MIRA 12:9)

1. Krivorozhskiy gornorudnyy institut. Kafedra obshchey geologii.
(Nikopol region (Dnepropetrovsk Province)--Clay))

BELOKRYI, L.S.

Pseudotectonic dislocations in Krivoy Rog Tertiary sediments. Nauch.
dokl.vys.shkoly; geol.-nauki no.4:17-22 '58. (MIRA 12:6)

1. Krivorozhskiy gornorudnyy institut, kafedra obshchey geologii.
(Krivoy Rog Basin--Geology, Structural)

AUTHORS: Belickiy, L.S., Novachenko, A.V. 06-58-7-57/42

TITLE: New Rhysolite Deposits (Novyye mestonakhozhdeniya ryzolitov)

PERIODICAL: Priroda, 1956, Nr 7, pp 116-117 (USSR)

ABSTRACT: New deposits of rhyolites have been found in the Bogdanovich **rayon** of the Dnepropetrovsk Oblast on the Poldnevskiy sector of the Troitsko-Baynovskoye clay deposits in the border regions between the Cretaceous and Paleogene strata. Rhysolites were also found in the same strata in the Aizpaysk district, of the Saratov Oblast and the Upper Cretaceous layers of the marls of the Bakhchisaray and Simferopol' **rayon** of the Crimea. This points to an equal distribution of these relics of these crustaceans and the fact that shallow waters covered these regions during this period.

ASSOCIATION: There are 2 photos and 1 Soviet reference.
Krivorozhskiy gosudarstvennyy institut (The Krivoy Rog Mining Institute)

1. Rhysolite--Deposits--USSR

Card 1/1

BELOKRYS, L.S., assistant, gornyy inzhener-geolog

Origin of shallow folding in the Neogena of the Krivoy Rog
Basin. Sbor. nauch. trud. KGRI no.7:96-105 '59. (MIRA 16:9)
(Krivoy Rog Basin--Folds (Geology))

BELOKRYIS, L.S.

A form of silicification of fossil shells. Izv. vys. ucheb. zav.;
geol. 1 razv. 2 no.1:68-73 Ja '59. (MIRA 12:10)

1.Krivorozhskiy gornorudnyy institut.
(Mollusks, Fossil)

BELOKRYI, I.S.

Stratigraphic distribution of *Zygolophodon borsoni* Hays. Izv.
vys.ucheb.zav.; geol.i razv. 2 no.8:48-52 Ag 59.
(MIRA 13:4)

1. Krivorozhskiy gornyy insitut.
(Mastodon)

BELOKRYIS, L.S.

Conducting geological field work for seven-year students
of the Krivoy Rog Institute of Mines. Inv.rye.kubet.rav.;
geol.i razv. 2 no.12:118-124 N 1951.
(MIRA 12:6)

1. Krivotozhskiy gornorudnyy kombinat.
(Crimean Mountains--Geology--Education and training)

BELOKRYIS, L.S.

Systematics and phylogeny of dinotheriids; in connection with a new find of dinotheriid in upper Sarmatian deposits of the Krivoy Rog. Paleont. zhur. no.4:95-103 '60. (MIRA 14:1)

1. Krivoroshskiy gornorudnyy institut.
(Krivoy Rog region--Proboscidea, Fossil)

BELOKRYIS, L.S.

New find of the Trilophodon (Mastodon) ex gr. angustidens
Cuvier in the Ukraine. Izv.vys.ucheb.zav.;geol.i razv. 3
no.2:34-40 F '60. (MIRA 15:5)

1. Krivorozhskiy gornorudnyy institut.
(Nikopol' region--Mastodon)

BELOKAYS, L.S.

Remains of a bunodont mastodon from lower Pliocene sediments of
Krivoy Rog. Izv. v/s. ucheb. zav.; geol. i razved. 3 no.9:13-26
S '60. (MIRA 13:12)

1. Krivorozhskiy gosnaukovy institut.
(Saksan' Valley--Mastodon)

PETRUN', V.F.; BELOKRY'S, L.S.

Archaeological study method recommended to geologists for use in
the Crimean Mountains. ~~Trudy~~ Izv. Akad. Nauk SSSR, no.26:161-167 '61.
(MIRA 15:3)
(Crimean Mountains--Geological surveys)

BELOKRYIS, L.S.; PETRUN', V.F.

Origin of the exotic boulders in the Pontain sediments in the
southern Ukraine. Izv. vys. ucheb. zav.; geol. i razv. 4 no.3:
126-128 Mr '61. (MIRA 14:6)

(Ukraine—Boulders)

BELOKHYS, L.S.

Sarmatian stratigraphy of the Krivoy Rog Basin. Sbor. nauch.
trud. KGRI no.13:12-15 '62. (MIRA 16:8)

(Krivoy Rog Basin—Geology, Stratigraphic)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400006-6

PETRUNI, V.F., kand. geol.-mineral. nauk, dotsent; BELOKRYIS, L.S.

Recrystallization of Pontian limestones of the southern Ukraine.
Sbor. nauch. trud. KGRI no.13-25-37 '62. (MIRA 16:8)

(Ukraine--Limestone)

BELOKRYIS, L.S. [Bilokrys, L.S.]

Occurrence of deep-sea sediments of the Rostov horizon and Upper
Sarmatian in the southern Ukraine. Geol.zhur. 22 no.2:68-71
'62. (MIRA 15:4)

1. Krivorozhskiy gornorudnyy institut.
(Ukraine--Deep-sea deposits)

1. The first part of the report is a general description of the project. It includes the title, the author's name, and the date of the report.

BELOKRYYS, L.S. [Bilokrys, L.S.]

History of Borysthene Bay in the Sarmatian. Dop. AN URSR no. 4:
1231-1234 '62. (MIRA 18:4)

1. Krivorozhskiy gornorudnyy institut.

BELOKRYIS, L.S.

Variation of the hinge in Sarmatian Mactridae in Borysthenes
Bay. Paleot. zhur. no.3:39-48 '63. (MIRA 16:10)

1. Krivorozhskiy gornorudnyy institut.

BELOKRYIS, L.S.

Biostratigraphy of Lower Sarmatian sediments in Borystrenes
Bay. Izv. vys. ucheb. zav.; geol. i razv. 6 no.2:46-68
F '63. (MIRA 16:6)

1. Krivorozhskiy gornorudnyy institut.
(Dnieper Valley--Paleontology, Stratigraphic)

BELOKRYI, L.S.

Evolution of Sarmatian Mactridae in the Borysthenes Bay. Paleont.zhur.
no.1313-34 '63. (MIRA 16:4)

1. Krivorozhskiy gornorudnyy institut.
(Dnieper Valley—Mactridae, Fossil)

BELOKRY, L.S.

"Travertinelike" facies from Sarmatian sediments in the lower Dnieper Valley. Sbor. nauch.trud. KGRI no.20(3):30-33 '63. (MIRA 16:9)

BELOKRYIS, L.S. [Bilokrys, L.S.]

Conditions governing the existence and development of
mollusks in the Borysthenes Bay in the Sarmatian age. Zbir.
prats. Zool. muz. AN URSR no.32:73-91 '63. (MIRA 16:11)

YERSHOF, F.I.; BELOKRYSENKO, S.S.

Comparative study of induced lysogenic bacteria by fluorescence
microscopy. Zhur. mikrobiol., epid. i imm. 41 no. 2:118-122 F '64.
(MIRA 17:9)

1. II Moskovskiy meditsinskiy institut imeni Pirogova.

BELOKRYSSENKO, S.S.

Effect of levomycetin on the productive development of moderate 2-phase.
Zhur. mikrobiol., epid. i immun. 41 no.3:95-98 Mr '64. (MIRA 17:11)

1. II Moskovskiy meditsinskiy institut imeni Pirogova.

BELOKOBYSENKO, S.S.

Effect of blocking protein synthesis on the infection of *Escherichia coli* by moderate phage. *Vopr. med. biolog. i immun.* 41 no.6:76-80, Dec '64. (RUSA 18:1)

1. Il Moskovskiy meditsinskii institut imeni I.M. Sechenova.

BELOKUR, M., polkovnik

Mechanical adjustment chart for calculating meteorological and
ballistic corrections. Voen. vest. 42 no.7:114-116 J1 '62.
(MIRA 15:6)
(Fire control (Gunnery)--Equipment and supplies)

BELOKUR, V.M.

Bloodsucking dipterans in the Nenets National Area and the
northern part of the Komi A.S.S.R. Ent. oboz. 39 no.2:404-
409 '60. (MIRA 13:9)

(Nenets National Area--Diptera) (Komi A.S.S.R.--Diptera)

BELOKUR, V.S.

Efficient management in the medical industry. Med.prom. 10 no.2:
8-10 Ap-Je '56. (MLRA 9:8)
(MEDICAL INSTRUMENTS AND APPARATUS)

GAVRILOV, F.M.; BELOKUROV, A.I.

Treatment of cholecystitis. Khirurgiia no.5:47-49 My '56.

(MLRA 9:9)

1. Iz bol'nitsy Moskovsko-Ryazanskoy zheleznodorogi.
(CHOLECYSTITIS, therapy,
(Rus))

BELOKUROV, A.S.

Our method for overhauling ^{TR} 3a relay contacts. Avtom., telem. i
sviaz' 5 no.4:38 Ap '61. (MIRA 14:6)

1. Elektromekhanik kontrol'no-izmeritel'nykh priborov Lyuberetskoy
distantzii signalizatsii i svyazi Moskovskoy dorogi.

(Electric relays)

(Railroads--Electric equipment)

VORONOV, Yu.F., inzh.; BELOKUROV, E.S., inzh.; PRON'KIN, V.Ye., inzh.

Mastering the operation of 600-ton open-hearth furnaces. Met. 1
gornorud. prom. no.3:11-17 My-Je '62. (MIRA 15:9)
(Open-hearth furnaces)

KOBEZA, I.I.; BELOKUROV, E.S.; CHERNYAVSKIY, V.G.; POGORELIIY, V.P.,
KORKOSHKO, N.M.; VORONOV, Yu.P.; PRON'KIN, V.Ye.; BABENYSHEV, M.A.

Heating a 600-ton (mega-gram) single channel open-heartn furnace
with self-carburetting natural gas. Stal' 25 no.12:1139-1143
D '65. (MIRA '8:12)

BELOKUROV, L.K.

BELYAYEV, A.F.

AUTHOR: Solomonov, M. 807/24-58-5-30/51
TITLE: Scientific-Method Conference on the Problem of Breaking-up Rocks by Explosions (Pervoye nauchno-metodicheskoye soveshchaniye po probleme drobleniya gornykh porod varyvom)
PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh Nauk, 1958, Nr 5, pp 143-144 (USSR)
ABSTRACT: On February 20-26, 1958 a conference was held on breaking-up rocks by explosions at the Institute of Mining, Ac.Sc., USSR (Institut Gornogo Dela AN SSSR). 100 people from 32 towns participated and the participants included representatives of Works, Research Institutes of the Ac.Sc. from various parts of the Soviet Union, departmental research institutes and of higher teaching establishments.

Chemical Physics, Ac.Sc. USSR (Institut khimicheskoy fiziki AN SSSR);
 "On experimental methods of studying the breaking-up of solid bodies" by L. K. Belokurov, Institute of Chemical Physics, Ac.Sc., USSR;
 "On controlling the energy of elastic waves in rocks possessing a high acoustic rigidity and ensuring yield of fragments of a pre-determined size" by A.N. Khinukayev, Leningrad Mining Institute (Leningradskiy gornyy institut);
 "On the technique of studying the character of breaking-up of firm rocks by means of charges of increased length" by V. I. Filippov, Institute of Mining, Ac.Sc. Kazakhstan SSR;
 "On investigating the fields of the potential and the process of breaking-up of rocks by explosions in the case of instantaneous and briefly delayed charges in the terraces of open-cast mining" by V. A. Belyayenko, Dnepropetrovsk Mining Institute.
 In the section relating to evaluation of the crushing properties of explosives and the breaking-up of rocks the

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400006-6

BELOKUROV, O.V.

Peaceful uses of atomic energy as exhibited at the Budapest
International Industrial Fair. Atom. energ. 19 no.6:564-565
D '65. (MIRA 19:1)

BELOKUROV, P.

~~Organization of the mechanical servicing of calculating machines.~~
Den.i kred. 17 no.4:76-77 Ap '59. (MIRA 12:3)
(Kalinin Province--Calculating machines--Maintenance and repair)

MAGID, M.A., inzh.; BELOKUROV, P.L., inzh.

Study of the design of lock hardware with sealing rings from
polytetrafluoroethylene. Khim. i nef. mashinost. no.68
7-12 D '64 (MIRA 18:2)

137-58-4-7203

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 4, p 126 (USSR)

AUTHORS: Rudoy, V. S., Shevchenko, A. A., Pishchikov, G. P., Belokurov, S. I., Stupel', S. I., Patlan', Ye. F., Chernyavskiy, A. A., Kholiyavko, Z. I.

TITLE: Effect of External Defects in Steel Ingots on the Quality of Tubes Rolled on Pilger Mills (Vliyaniye naruzhnykh porokov stal'nykh slitkov na kachestvo trub prokatyvayemykh na pilgrimovykh ustanovkakh)

PERIODICAL: Byul. nauchno-tekhn. inform. Vses. n.-i. trubnyy in-t, 1957 Nr 3, pp 26-34

ABSTRACT: An investigation was made of ingots (I) of Nr 4 steel, 230 and 305 mm in diameter, exhibiting surface defects such as longitudinal cracks, twist, banding, and nonmetallic superficial inclusions. It was found that the rolling of I with cracks still present leads to the formation of scab on barrels (B) and tubes (T). Twists on I lead to the formation of through cracks or deep scab on B. The rolling of I having longitudinal cracks leads to the formation of shallow scabbing on B and T. The presence of banding results in the formation of fine transverse scab which burns out and be-

Card 1/2

137-58-4-7203

Effect of External Defects in Steel Ingots (cont.)

comes scale due to the insignificance of its dimensions. Accumulations of nonmetallic inclusions at the surface of the I leads to the formation of fine scab on the B and T. Flame repair of I having cracks up to 45 mm deep makes for production of up to 90 percent first class T, and rolling of I with banding to a depth of not over 30 mm yielded up to 95 percent first class T without repair. Rolling of banded I without repair and of I with cracks removed by the flame method makes it possible to save a considerable amount of metal that had previously been remelted.

I M

1. Steel--Processing--Effects of Impurities 2. Steel--Rolling--Production
 a. Steel--Rolling--Defects 3. Steel--Banding--Production 4. Steel--Rolling
 --Defects

Card 2/2

AUTHOR: Belokurov, S. I.

133-58-5-21/31

TITLE: At the Works imeni Libknecht (Na zavode im. K. Liebknecht)

PERIODICAL: Stal', 1958, Nr 5, p 448 (USSR)

ABSTRACT: 1. Experimental rolling of tubes from semi-continuously cast ingots. 230 mm ingots were rolled into 6" tubes and bushings on an automatic mill. The quality of products was up to standards.

2. The development and tests of the safety cylinders of a new design for piercing mills. Due to repeated breaking of the working rolls of the piercing mill a new design of safety cylinders with a 65 mm diaphragm was developed which is now being tested.

3. Improvement in the technology of pilgrim rolling of thin walled tubes. Improved roll pass design which increased the output of the mill is being introduced.

4. Rolling of tubes from hollow semis of alloy steels produced by centrifugal casting. Rolling of tubes from the above semis simplified the production of thick walled tubes from alloy steels, particularly from those difficult to pierce.

Card 1/2 5. The development of the technology of induction welding;

At the Works imeni Liebknecht

133-58-5-21/31

of tubes on a 10-60 mill (in cooperation with VMII).
Industrial and laboratory experiments on welding tubes
of 33 mm in diameter and of wall thickness 1.5-3.0 mm
were carried out. No details are given.

Card 2/2

AUTHOR: Belokurov, S. I. 133-58-5-28/31

TITLE: At the Works imeni K. Libknehta (Na zavode im.
K. Liebknecht)

PERIODICAL: Stal', 1958, Nr 5, p 468 (USSR)

ABSTRACT: Thermal treatment of completely rolled railway wheels.
The experimental work on the application of induction
heating of the above product was finished and the design
of an induction installation of a capacity of 40 000
t/year have begun.

Card 1/1

AUTHOR: Beokurov, S.I.

SOV/133-58-6-13/33

TITLE: ~~In the Plant~~ imeni K. Libknekht (Na zavode im.
K. Libknekhta)

PERIODICAL: Stal', 1958, nr 6, p 518 (USSR).

ABSTRACT: 1) The use of 25-faced ingots instead of round ones for casting killed steel decreases the proportion of rejects due to longitudinal cracks, from 0.56 to 0.03%.

2) The development and mastering of the technology of smelting of low-alloy steel for rolling railway wheels.

To increase the wear resistance of railway wheels and improve their mechanical properties, a low-alloy steel (0.45-0.75 Cr and 0.50-0.80% Si) was developed in co-operation with the Institut metallurgii AN SSSR (Institute of Metallurgy of the Ac.Sc.USSR). Wheels from the new steel are being tested in service. no details are given.

3) The introduction of an improved technology of smelting low-alloy steel for wheels (in co-operation with the Dnepropetrovskiy metallurgicheskiy institut (Dnepropetrovsk Metallurgical Institute)). By rounding the upper part of ingot moulds, the retention of broken-off crust during its passage to the shrinkage head was reduced. This decreased the amount of

Card1/3

In the Plant imeni K. Libknekht

SOV/133-52-6-13/33

non-metallic inclusions in the metal.

4) Smelting of steel 15GDYuT (in co-operation with the Ukrainskiy institut metallov (Ukrainian Institute of Metals)). In order to obtain a high-strength sheet steel, the technology of smelting steel 15GDYuT (C 0.13-0.18%, Mn 1.2-1.5%, Si 0.15-0.30%, Cu 0.3-0.4%, Ti 0.06-0.10%, Al 0.04-0.08%, S less than 0.04% and P less than 0.04%) in an open-hearth furnace was developed. Steel is deoxidised in the furnace with silico-manganese and an addition to the ladle of ferro-titanium in lumps not larger than 60 mm and of aluminium on a rod (after filling the ladle with slag).

5) Casting of steel into tube ingot moulds through displaced bottom inlets.

The stream of liquid steel entering the bottom of an ingot mould is deflected from vertical, towards the side opposite to the central casting funnel, causing some erosion of the formed ingot crust with subsequent formation of longitudinal cracks. To prevent this, some tests were carried out in which the inlet was displaced towards the central funnel.

Card 2/3

In the Plant imeni K. Libknekht

SOV/133-58-6-13/33

In this way, the deviation of the stream from a vertical one was compensated by a longer distance from the ingot's crust. This resulted in a decrease in the proportion of ingots requiring welding dressing from 0.72% to 0.51% and of corresponding defective ingots from 0.4% to 0.3%.

1. Steel castings--Production 2. Steel castings--Fracture
Card 3/3 3. Steel castings--Processes

KOBRIN, M.M., kand. tekhn. nauk; ZAKS, M.N., inzh.; BELOKUROV, V.N.

Studying the joints of the frames of farm trailers. Trakt. i sel'khoz mash.
no.7:15-17 J1 '65. (MIRA 18:7)

1. Tsentral'nyy nauchno-issledovatel'skiy institut stroitel'nykh konstruksiy (for Kobrin). 2. Mytishchinskiy mashinostroitel'nyy zavod (for Zaks, Belokurov).

AVAGIMOV, Ye.A. [Avahimov, E.A.], assistant; ZAKHAROV, V.N., student 4-go kursa; ZAKHAROVA, A.A., student 4-go kursa; BELOKUROV, V.G. [Bielokurov, V.H.], student 4-go kursa

Stand for cleaning fuel and oil filters. Mekh. sil'. hosp. 13
no.9:10-11 S '62. (MIRA 17:3)

1. Kubanskiy sel'skokhozyaystvennyy institut.

ACC NR: AT7003836

SOURCE CODE: UR/3169/66/000/0018/0075/0081

AUTHOR: Leshchuk, F. A.; Belokurov, V. S.

ORG: None

TITLE: Study of the structure of the upper portion of the earth's crust in the Ukrainian shield by controlled direction reception

SOURCE: AN UkrSSR. Geofizicheskiy sbornik, no. 18, 1966. Geofizicheskiye issledovaniya stroyeniya zemnoy kory (Geophysical investigations of the structure of the earth's crust), 75-84

TOPIC TAGS: earth crust, geology, geologic exploration, seismic wave, scientific research, seismic prospecting, underground explosion, tectonics, wave propagation

ABSTRACT: In 1963, the Institute of Geophysics of the Academy of Sciences of the Ukrainian SSR performed field experiments using RNP [controlled direction reception] of seismic waves in order to determine the effectiveness of this method in studying the structure of the upper portions of the earth's crust in the presence of the Ukrainian crystalline shield. The RNP investigations revealed a considerable number of seismic boundaries in the upper portion of the crust (down to 7-8 km) which were, generally, not mirror images in the 15-30 cycle range; that the complexity of the wave picture recorded near the explosion point during deep seismic logging operations

Card 1/2

ACC NR: AT7003836

results from wave interference; that RNP makes possible increased effectiveness of seismic investigations under these interference conditions; that the seismic boundaries constructed were nearly horizontal; and that RNP operations are extremely promising for the location and study of zones of tectonic disruption in the crust. A number of seismic boundaries located within the "basalt" layer from 14.5 to 18 km in depth were reliably located. Results obtained are a sufficient basis for wide-spread RNP investigations on the Ukrainian crystalline shield. Orig. art. has: 5 figures.

SUB CODE: 08/SUBM DATE: None/ORIG REF: 005

Card 2/2

17(10)

001/177-58-4-1/32

AUTHOR: Belokurov, Yu.N., Captain of the Medical Corps

TITLE: Perforated Ulcers in Young Persons (Probodnyye yazvy u lits molodogo vozrasta)

PERIODICAL: Voenno-meditsinskiy zhurnal, 1958, Nr 4, pp 20-23 (USSR)

ABSTRACT: The present report is based on 45 physicians' reports on young patients suffering from perforated ulcers. The author observed some rapidly developing ulcers which ended with perforation 2-3 days after epigastralgia, pyrosis and emesis had appeared. According to data of the Leningradskiy institut skoroy pomoshehi (Leningrad Institute of First Aid), the preperforated stage was observed in 18% of cases. The author indicates that in spite of pronounced symptoms of perforated ulcers, the percentage of military physicians' diagnostic errors is very high. The author concluded that young persons often suffer from "dumb ulcers", the anamnesis of which

Card 1/2

SOV/177-58-4-6/32

Perforated Ulcers in Young Persons

is short and indistinctly pronounced. A shock following perforation of ulcers was not observed, or only for a short time. General remote results of suturing perforated ulcers are not satisfactory. Good results may only be obtained in sewing up latent ulcers and those with a short anamnesis. There is 1 table.

Card 2/2

BELOKUROV, Yu.N. (Yaroslavl', pr. Lenina, d.18, kv. 83)

Capillary blood circulation in fractures of the lower extremities.
Nov.khir.arkh. no.5:117 S-O '59. (MIRA 13:3)

1. Kafedra gosptal'noy khirurgii (zaveduyushchiy - prof. A.A.
Troitskiy) Yaroslavskogo meditsinskogo instituta.
(EXTREMITIES, LOWER--FRACTURES) (CAPILLARIES)

BELOKUROV, Yu.N.

Vascular tonus and capillary circulation in fractures of bones
of the lower extremities. Khirurgiia 36 no.11:23-27 N '60.

(MIRA 13:12)

1. Iz gospi'tal'noy khirurgicheskoy kliniki (sav. - prof. A.A.
Troitskiy) Yaroslavskogo meditsinskogo instituta.

(LEG—FRACTURE)

(BLOOD—CIRCULATION)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400006-6

BELOKUROV, Yu. I.

Cand Med Sci - (diss) "Blood supply of the lower extremities in closed fractures of the bones." Ivanovo, 1961. 22 pp; (Ivanovo State Med Inst); 200 copies; price not given: (KL, 7-61 sup, 257)

BELOKUROV, Yu.N.

Dynamics of the blood supply to the lower extremities in bone fractures. Ortop., travm.i protez. no.2:33-37 '62.

(MIRA 15:3)

1. Iz kafedry gosital'noy khirurgii (zav. - prof. A.A. Troitskiy)
Yaroslavskogo meditsinskogo instituta (dir. - prof. N.Ye. Yarygin).
(EXTREMITIES, LOWER--BLOOD SUPPLY) (FRACTURES)

SOV/137-59-4-7379

Translation from: Referativnyy zhurnal, Metallurgiya, 1959, Nr 4, p 149 (USSR)

AUTHORS: Ignatov, D.V., Belokurova, I.N., Belyanin, I.N.

TITLE: Investigation Into Diffusion Processes of Iron and Chromium in α - Al_2O_3 , α - Cr_2O_3 , NiCr_2O_4 and NiAl_2O_4 Oxides

PERIODICAL: V sb.: Metallurgiya i metallovedeniye, Moscow, AS USSR, 1958, pp 326-330

ABSTRACT: Tablets were pressed of α - Al_2O_3 , α - Cr_2O_3 oxides and mixtures in a stoichiometric relation for spinels ($\text{NiO}/\text{Cr}_2\text{O}_3 = 1$ and $\text{NiO}/\text{Al}_2\text{O}_3 = 1$). The tablets were subsequently sintered. The active layer of 0.1 to 1 μ thickness was applied by the method of evaporation in a vacuum. The thickness of the layer was determined from the growth of weight. Diffusion annealing was carried out in quartz tubes or ampoules in a vacuum of 10^{-2} - 10^{-3} mm Hg for Cr at 1,100°, 1,000°, 900°C and for Fe at 1,200°, 1,100° and 1,000°C during 25 - 200 hours. The distribution of concentrations was investigated by removing the layers. All experimental lg D points (D is the coefficient of diffusion) depending on the inverse temperature 1/T can be satisfactorily arranged on a straight line. The authors point to the relative character of results obtained, due to the effect of surface

Card 1/2

SOV/137-59-4-7379

Investigation Into Diffusion Processes of Iron and Chromium in α - Al_2O_3 , α - Cr_2O_3 ,
 NiCr_2O_4 and NiAl_2O_4 Oxides

diffusion and the difficulty of removing the layers of homogeneous thickness from the surface of a specimen, that was sintered from powder. Increased Q_{Fe} values with respect to Q_{Cr} are explained by the larger size of Fe-ions as compared to Cr-ions. A conformity between Q_{Cr} and Q_{Fe} and evaporation rates of α - Cr_2O_3 , α - Al_2O_3 and NiCr_2O_4 oxides was revealed.

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Card 2/2

BELOKUROVA, I. N.

39-3 12/76

AUTHORS: Belokurova, I. N. ; Ignatov, D. V.

TITLE: Investigation of the Diffusion Processes of Iron and Chromium in the Spinels NiCr_2O_4 and NiAl_2O_4 by the Aid of Fe^{59} and Cr^{51} (Issledovanie protsessov diffuzii zheleza i khroma v spinelyakh NiCr_2O_4 i NiAl_2O_4 s pomoshchyu Fe^{59} i Cr^{51})

PERIODICAL: Atomnaya Energiya, 1967, Vol. 4, Nr 3, pp. 301-307 (USSR)

ABSTRACT: The samples of spinels were made from powders NiO , Cr_2O_3 , Al_2O_3 in the stoichiometrical ratios $\text{NiO} : \text{Cr}_2\text{O}_3 = 1$ and $\text{NiO} : \text{Al}_2\text{O}_3 = 1$ by compression and annealing at 1200°C . The period of sowing for NiCr_2O_4 was 150 hours, that for NiAl_2O_4 300 hours. The specific weight of NiCr_2O_4 varied between 3.2 - 3.5 g/cm³ and of NiAl_2O_4 between 3.29 - 3.2 g/cm³.

Radioactive iron or chromium respectively was laid on the samples by evaporation and subsequent condensation in vacuum. The diffusion took place in vacuum at 10^{-5} to 10^{-6} mm mercury column. The temperatures at which the diffusion

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U.S.S.R. 17/30

Investigation of the Diffusion Processes of Iron and Chromium in the
 Spinels NiCr_2O_4 and NiAl_2O_4 by the Aid of Fe^{59} and Cr^{51}

took place were 900, 1000 and 1100°C in the case of chromium, whereas 1000, 1100 and 1200°C in the case of iron. By counting the radioactivity in the series according to layers skinned off the single samples the diffusion coefficient determined. The following values were obtained:

	Q cal/mol	D_0 in cm^2/sec
Diffusion of Cr in NiCr_2O_4	44800	$1.03 \cdot 10^{-5}$
NiAl_2O_4	50000	$1.17 \cdot 10^{-5}$
Diffusion of Fe in NiCr_2O_4	61000	$1.35 \cdot 10^{-5}$

There are 2 figures, and 1 table.

SUBMITTED:

November 15, 1957

Card 2/2

1. Iron-Diffusion processes
2. Chromium-Diffusion processes
3. Spinels-Applications

SOV/180-59-1-3/29

AUTHORS: Belokurova, I.N., Kekua, M.G., Petrov, D.A. and
Suchkova, A.D. (Moscow)

TITLE: Production of Single Crystals of Alloys of Germanium with
Silicon (O poluchenii monokristallov splavov germaniya s
kremniyem)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye tekhnicheskikh
nauk, Metallurgiya i toplivo, 1959, Nr 1, pp 9-12, + 1
plate, (USSR)

ABSTRACT: The production of single crystals of solid solutions of
germanium with silicon is important in the semiconductor
field since they can combine the advantages of both
elements. The authors describe their experiments with
two methods of production. In the first, similar to that
of Davis (Ref 4), a melt of the required composition was
produced in an evacuated quartz ampoule in a silit
furnace. The melt was held at 20-25°C above the liquidus
temperature for four hours and then cooled at 1.5°C per
hour. Single crystals with 0.5 - 5 at. % Si were
obtained but it was found (Table 1) that they were
heterogeneous in composition, having a gradient of
silicon content and conductivity. The Laue patterns

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SOV 189-59-1-3/29

Production of Single Crystals of Alloys of Germanium with Silicon (Fig 4) indicate that growth occurs with a $[100]$ orientation. The second method is based on drawing a crystal with continuous feed of melt as described by D.A. Petrov and V.S. Zemskov (Ref 6). For this a special apparatus was developed shown open in Fig 2 and in operation in Fig 1. A quartz crucible is heated by a graphite heater and a vacuum of 10^{-4} mm Hg is maintained while a crystal is drawn, a polycrystalline ingot of the same composition being added to the crucible at the same rate. Temperature is controlled manually and is chosen to give a single-crystal diameter equal to that of the feed ingot, the rate of feed and drawing then being the same and equal to 1.7 mm/min. Both crucible and crystal are rotated. Specimens were obtained (Table 2) with 0.70, 0.75, 1.0 and 2.0 at. % Si with homogeneous composition and electrical properties. Fig 8 shows resistivities as functions of length along specimens for several specimens. Specimens with $[111]$ orientated

Card 2/3

SOV/180-50-1-3/29
Production of Single Crystals of Alloys of Germanium with Silicon
growth axes are shown in Fig 5, while Figs 6 and 7 show
Laue patterns from the seeding crystal and the single
crystal, respectively.
Card 3/3 There are 8 figures, 2 tables and 6 references, 3 of
which are English, 2 Soviet and 1 German.
SUBMITTED: August 8, 1958

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Mr. J. H. and Mrs. J. H.

W.P. D.T. - Principal McSherry and Attorney

On the Use of Non-Linear

Principles of Marketing

②

BELOKUROVA, I. N.

100

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

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